

o Flame-retardant polycarbonate blend compositions

L49 ANSWER 107 OF 139 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1997:118556 CAPLUS
DOCUMENT NUMBER: 126:118656
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SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 08325449	A2	19961210	JP 1995-135071	19950601

OTHER SOURCE(S): MARPAT 126:118656

- AB Title compns. with good fire-resistance, thermal stability, and high impact strength comprise (A) thermoplastic resins contg. **polycarbonates**, (B) org. P compds. shown as $P(O)(OPh)_n(OC_6H_4R_1a)_3$ - n ($R_1 =$ alkyl; $a = 1-5$; $n = 0-3$), and optionally (C) silicones, fluoropolymers, and/or phenolic resins. Thus, Panlite K 1285 70, 28:72 acrylonitrile (I)-styrene (II) copolymer 15, a graft copolymer (prep'd. from polybutadiene latex 50 as solid, II 37.5, and I 12.5 parts) 15, cresyl di-Ph phosphate 16, and Teflon 6J 0.2 part were melt-kneaded at 250-280.degree., pelletized, and injection-molded at 250.degree. to give test pieces showing UL-94 flame retardance V-0, Izod impact strength 79 kg-cm/cm (3.2-mm width), and no flash when molded with retention time of 5 min.
- ST **polycarbonate** styrene polymer **blend** fire resistance; impact resistance **polycarbonate** styrene polymer **blend**; fireproofing agent phenyl phosphate **polycarbonate** compn; cresyl diphenyl phosphate fireproofing agent **polycarbonate**; heat resistance **polycarbonate** styrene polymer **blend**
- IT Fireproofing agents
(Ph phosphates; **polycarbonate**-styrene polymer **blends** with good resistance to fire, heat, and impact)
- IT Polycarbonates, properties
RL: POF (Polymer in formulation); PRP (Properties); USES (Uses)
(arom.; **polycarbonate**-styrene polymer **blends** with good resistance to fire, heat, and impact)
- IT Heat-resistant materials
Impact-resistant materials
(**polycarbonate**-styrene polymer **blends** with good resistance to fire, heat, and impact)
- IT Fluoropolymers, uses
Novolaks
Polysiloxanes, uses
RL: MOA (Modifier or additive use); USES (Uses)
(**polycarbonate**-styrene polymer **blends** with good resistance to fire, heat, and impact)
- IT Polymer blends
RL: POF (Polymer in formulation); PRP (Properties); USES (Uses)
(**polycarbonate**-styrene polymer **blends** with good resistance to fire, heat, and impact)
- IT 42557-10-8, SH 200
RL: MOA (Modifier or additive use); USES (Uses)
(SH 200; **polycarbonate**-styrene polymer **blends** with good resistance to fire, heat, and impact)
- IT 9002-84-0, Teflon 6J 31900-57-9D, Dimethylsilanediol homopolymer, trimethylsilyl-terminated 176669-91-3, MEH 7800
RL: MOA (Modifier or additive use); USES (Uses)
(**polycarbonate**-styrene polymer **blends** with good